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November 04, 2004

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APPLICATION NUMBER: 60/549,144

FILING DATE: March 03, 2004

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DOCUMENT

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030304

13281 U.S. PTO

PTO/SB/16 (01-04)  
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### PROVISIONAL APPLICATION FOR PATENT COVER SHEET

This is a request for filing a PROVISIONAL APPLICATION FOR PATENT under 37 CFR 1.53(c).

Express Mail Label No.

22387 U.S. PTO  
60/549144

030304

INVENTOR(S)			
Given Name (first and middle [if any])	Family Name or Surname	Residence (City and either State or Foreign Country)	
Haim	Wilder	Raanana, Israel	
<i>Additional inventors are being named on the _____ separately numbered sheets attached hereto</i>			
<b>TITLE OF THE INVENTION (500 characters max)</b>			
<b>DEVICE FOR RELEASING ADDITIVES TO PURIFIED DRINKING WATER</b>			
Direct all correspondence to: <b>CORRESPONDENCE ADDRESS</b>			
<input checked="" type="checkbox"/> Customer Number: <div style="border: 1px solid black; padding: 2px; width: 100px; margin-top: 2px;">021884</div>			
<b>OR</b>			
<input type="checkbox"/> Firm or Individual Name Address Address City Country			
		State	Zip
		Telephone	Fax
<b>ENCLOSED APPLICATION PARTS (check all that apply)</b>			
<input checked="" type="checkbox"/> Specification Number of Pages 4 _____		<input type="checkbox"/> CD(s), Number _____	
<input checked="" type="checkbox"/> Drawing(s) Number of Sheets 3 _____		<input type="checkbox"/> Other (specify) _____	
<input type="checkbox"/> Application Data Sheet. See 37 CFR 1.76			
<b>METHOD OF PAYMENT OF FILING FEES FOR THIS PROVISIONAL APPLICATION FOR PATENT</b>			
<input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. <input checked="" type="checkbox"/> A check or money order is enclosed to cover the filing fees. <input checked="" type="checkbox"/> The Director is hereby authorized to charge filing fees or credit any overpayment to Deposit Account Number: 01-2221 <input type="checkbox"/> Payment by credit card. Form PTO-2038 is attached.		<b>FILING FEE Amount (\$)</b>  <div style="border: 1px solid black; padding: 2px; width: 100px; height: 40px; margin-bottom: 5px;"></div> 80.00	
The invention was made by an agency of the United States Government or under a contract with an agency of the United States Government. <input checked="" type="checkbox"/> No. <input type="checkbox"/> Yes, the name of the U.S. Government agency and the Government contract number are: _____			

Respectfully submitted,

[Page 1 of 2]

Date 03/03/2004

SIGNATURE 

REGISTRATION NO. 33,621

(if appropriate)

Docket Number: TSI-071

TYPED or PRINTED NAME John L. Welsh

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#### USE ONLY FOR FILING A PROVISIONAL APPLICATION FOR PATENT

This collection of information is required by 37 CFR 1.51. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 8 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop Provisional Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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## **DEVICE FOR RELEASING ADDITIVES TO PURIFIED DRINKING WATER**

5

### **FIELD OF THE INVENTION**

The present invention is in the field of water treatment for personal use.

### **BACKGROUND OF THE INVENTION**

- 10        Appliances for purifying water for the purpose of human consumption are commonly used by consumers wishing to improve the quality of potable water. Such appliances contain purifying elements such as ion exchangers or active carbon contained in a container for removing contaminants or natural constituents. Water purifying appliances are either static, fixed in place or mobile.
- 15        In such appliances, the water undergo one or more steps of purification. The purification may be performed in one container or in a set of containers. When the water exits the solitary or the last treatment container it is considered at least fit for consumption.

**BRIEF DESCRIPTION OF THE DRAWINGS**

Fig. 1 is a schematic description of a water purifying devices exhibiting  
a receptacle of a source of chemicals;

5 Fig. 2 is a schematic description of a water purifying devices exhibiting  
a sectioned receptacle of a source of chemicals;

Fig. 3 is a schematic description of a water purifying devices exhibiting  
a sectioned concentric water purifying container and a receptacle for a source of  
chemicals;

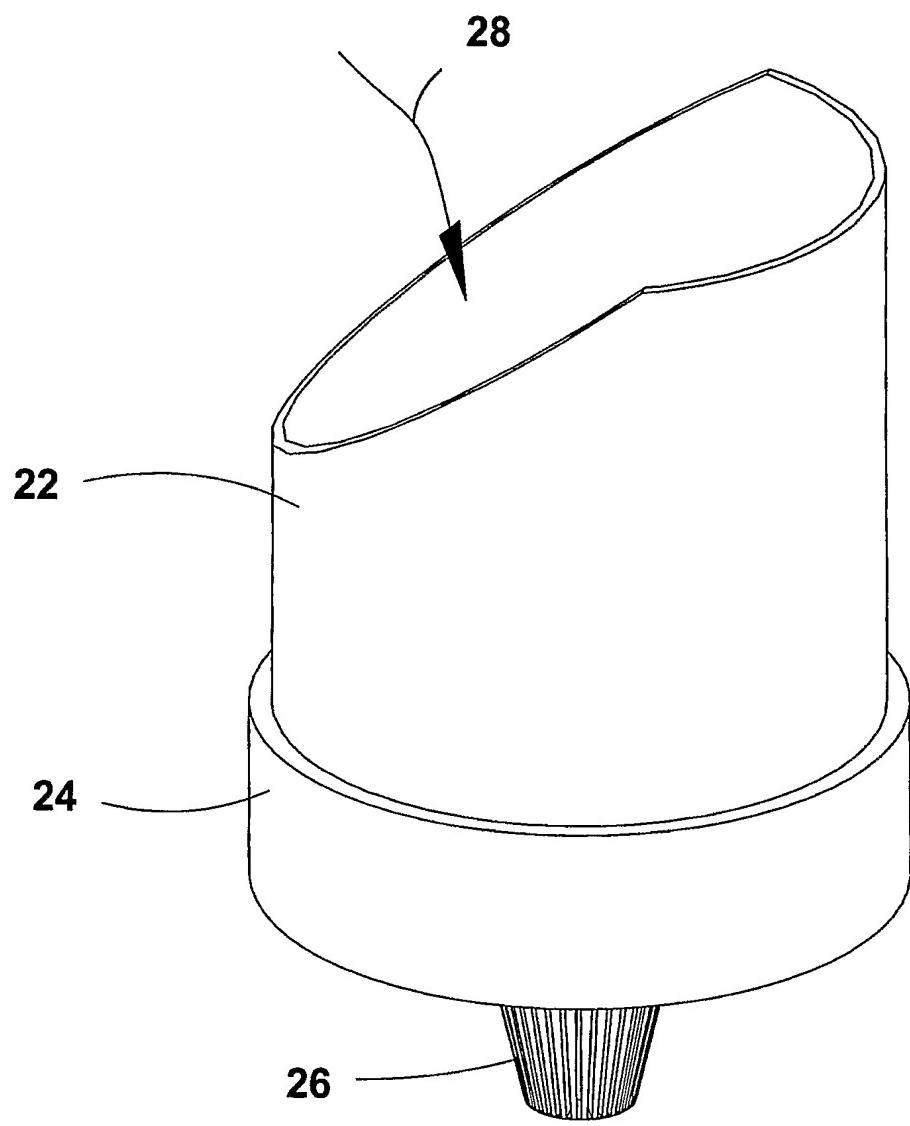
## DESCRIPTION OF THE PRESENT INVENTION

In accordance with the present invention, a water permeable receptacle for retaining a source of additives is disposed downstream the water flow, beyond the exit point from the purification container. The source of additives controllably release into the purified water beneficial chemical agents, natural or synthetic, salts or compounds, or a combination thereof, considered as beneficial. Among such are health promoting compounds such as vitamins, minerals, medications. Other compounds which may be considered as beneficial are such that induce drinking, for preventing dehydration or excessive loss of water. Sweeteners and flavouring compositions may also be used. In Fig. 1 to which reference is now made, a water purifying apparatus is described, containing an upper input water container 22, a purifying unit 24 and a perforated receptacle for a chemical source 26. In Fig. 2 the receptacle is shown sectioned showing a source for chemical in the form of a round pill 32. Arrow 28 describes the direction of flow of water being poured into the input container.

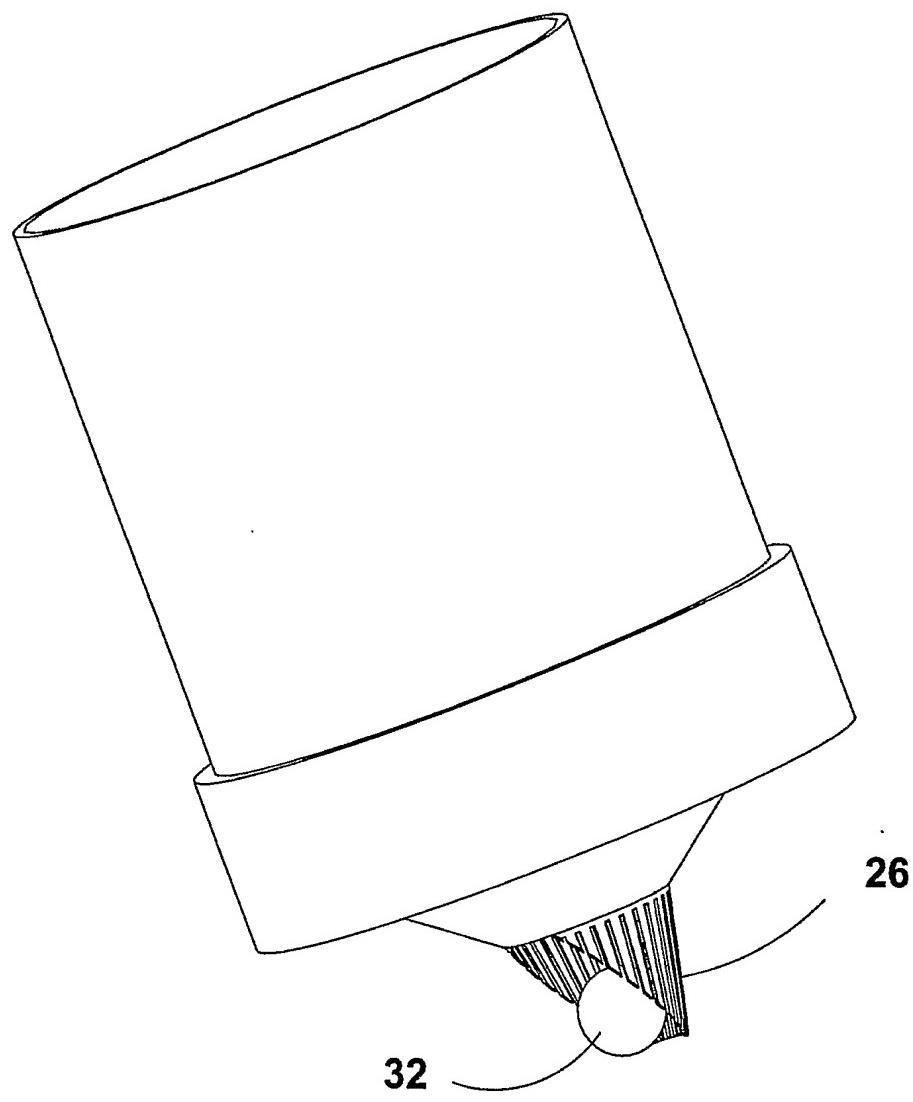
A water purifying device described in a co-pending PCT application based on US provisional application 60/446,991, one of the inventors of which is the inventor of the present invention, contains a concentric filtering device. A device of the present invention is implemented in such a water purification container as described in Fig. 3 to which reference is now made. A receptacle 26 is shown sectioned, exposing pill 32.

**CLAIMS**

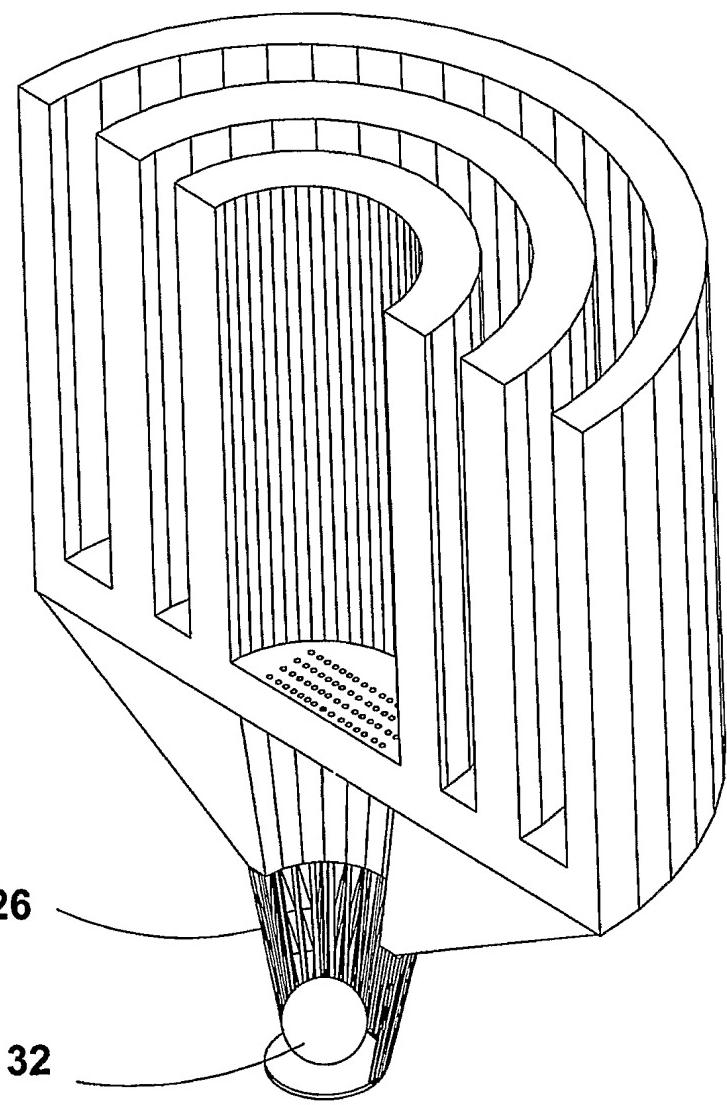
1. A water purifying appliance wherein the water undergoing  
5 purification is passed through a receptacle for retaining a source  
of at least a chemical composition.
  
2. A method for adding beneficial chemical agents to purified  
water, wherein a permeable receptacle disposed downstream  
10 the water flow of a water purifier, beyond the exit point from the  
purification container, releases said agents into said water flow.



**Fig. 1**



**Fig. 2**



**Fig. 3**